

IN THE CLAIMS:

The following listing of claims replaces all prior versions and listings of claims in the present application.

Listing of Claims:

1. (Previously presented) An isolated nucleic acid molecule comprising a polynucleotide encoding a polypeptide having a PDGF-D activity and having a sequence identity of at least 85% with at least nucleotides 1 to 600 of SEQ ID NO:3, at least nucleotides 1 to 966 of SEQ ID NO:5, at least nucleotides 176-1285 SEQ ID NO:7, at least nucleotides 935 to 1285 of SEQ ID NO:7, at least nucleotides 1-1110 of SEQ ID NO:35, or at least nucleotides 1-1092 of SEQ ID NO:37, or a polynucleotide which hybridizes under stringent conditions with at least one of said sequences.

2. (Original) An isolated nucleic acid molecule according to claim 1, wherein the sequence identity is at least 90%.

3. (Original) An isolated nucleic acid molecule according to claim 1, wherein the sequence identity is at least 95%.

4. (Previously presented) An isolated nucleic acid molecule according to Claim 1, wherein the nucleic acid molecule comprises a polynucleotide having at least nucleotides 1 to 600 of SEQ ID NO:3, at least nucleotides 1 to 966 of SEQ ID NO:5, at least nucleotides 176-1285 SEQ ID NO:7, at least nucleotides 935 to 1285 of SEQ ID NO:7, at least nucleotides 1-1110 of SEQ ID NO:35, or at least nucleotides 1-1092 of SEQ ID NO:37.

5. (Original) An isolated nucleic acid molecule according to claim 1, wherein said nucleic acid molecular is a mammalian polynucleotide.

6. (Original) An isolated nucleic acid molecule according to claim 5, wherein said nucleic acid molecular is a human polynucleotide.

7. (Original) A vector comprising a nucleic acid according to claim 1, wherein said nucleic acid molecular is operably linked with a promoter sequence.

8. (Original) A vector according to claim 7, wherein said vector is a eukaryotic vector or a prokaryotic vector.

9. (Original) A vector according to claim 7, wherein said vector is a plasmid or a baculovirus vector.

10. (Original) A host cell transformed or transfected with a vector according to claim 7.

11. (Original) A host cell according to claim 10, wherein said host cell is a eukaryotic cell or a prokaryotic cell.

12. (Original) A host cell according to claim 10, wherein said host cell is a COS cell or a 293EBNA cell.

13. (Original) A host cell according to claim 10, wherein said host cell is an insect cell.

14. (Original) An isolated nucleic acid molecule according to claim 1, wherein the polypeptide comprises a proteolytic site having the amino acid sequence RKSK or a structurally conserved amino acid sequence thereof.

15-16. (Canceled)

17. (Original) A method for producing an activated truncated form of PDGF-D, comprising the steps of:

expressing an expression vector comprising a nucleic acid molecule according to Claim 1,

supplying a proteolytic amount of at least one enzyme for processing said polypeptide to generate an activated truncated form of PDGF-D.

18-21. (Canceled)

22. (Original) An isolated nucleic acid molecule which codes for a polypeptide comprising a characteristic sequence of SEQ ID NO:25.

23. (Original) A host cell transformed or transfected with a vector comprising a nucleic acid sequence according to claim 22 operatively linked to a promoter, wherein said host cell expresses a polypeptide comprising an amino acid sequence having at least 85% identity with SEQ ID NOs:4, 6, 8, 36, or 38, or a fragment or analog thereof having the biological activity of PDGF-D.

24-26. (Canceled)

27. (Original) An isolated nucleic acid molecule which codes for a polypeptide comprising the sequence of SEQ ID NO:36.

28. (Original) An isolated nucleic acid molecule which codes for the polypeptide comprising the sequence of SEQ ID NO:38.

29. (Original) An isolated nucleic acid molecule which codes for the polypeptide comprising the sequence of SEQ ID NO:40.